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(54) **Imager package substrate**

(57) An image head assembly comprising: a substrate with at least a pair of apertures formed in the substrate; an optical assembly having at least a pair of pins that mate with the apertures within the substrate, the pins to the optical assembly being fixedly secured to the apertures within the substrate; an image sensor located between the apertures covered by a cover glass above the image sensor on the optical assembly; interface means for providing an electrical connection between the substrate and the image sensor; a lens system mounted on top the cover glass; and a single element blur filter contained within the lens system. The assembly contains a single element blur filter such as a cross-pleated blur filter. The lens system is prevented from being a reverse telephoto lens system with use of a blur filter that does not require a large back focus and is instead a telephoto lens system.

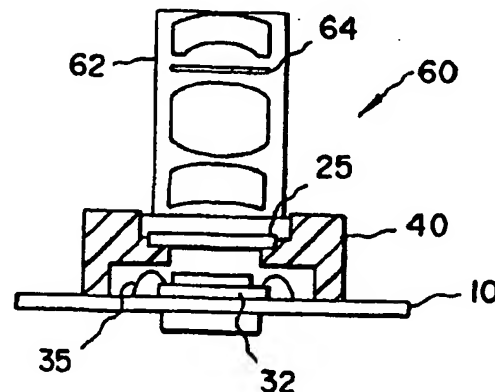


Fig. 6

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EUROPEAN SEARCH REPORT

Application Number
EP 98 20 1874

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
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			H01L
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 16 December 1998	Examiner Visscher, E
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

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ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.

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16-12-1998

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